

Generate Collection

L6: Entry 16 of 16

File: DWPI

Jun 28, 1979

DERWENT-ACC-NO: 1979-49317B

DERWENT-WEEK: 197927

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TITLE: Sound-damping laminate used as wall-covering - made of polyethylene sheet with noise-absorbing depressions sealed by smooth covering polystyrene foil

INVENTOR: KIESEWETTE, N; LAKATOS, B

PRIORITY-DATA: 1977DE-2758041 (December 24, 1977), 1979DE-2921050 (May 23, 1979)

PATENT-FAMILY:

PUB-NO PUB-DATE

LANGUAGE

PAGES MAIN-IPC

DE <u>2758041</u> A

June 28, 1979

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DE <u>2758</u>041 C

October 31, 1985

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INT-CL (IPC): E04B 1/84; E04F 13/18

ABSTRACTED-PUB-NO: DE 2758041A

BASIC-ABSTRACT:

Noise-absorbing building element comprises 2 superposed plastics sheets or films. At least 1 ply has cup-shaped depressions arranged to form a grid-like pattern. When the claimed article is installed, e.g. for lining the walls of rooms to insulate them acoustically, the bottom of these depressions face any incident noise so that they are made to effect energy-losing vibrations, whilst the upper edges of the depressions are covered by a flat film or sheet, also capable of vibrations, which effectively seals off the air in the depressions. The sheet with the depressions is pref. made of polyethylene, the flat covering sheet, of polystyrene.

Combines light wt. with efficacious noise damping characteristics. The elements are easy to clean, and can be made fully transparent or coloured.



Generate Collection

L2: Entry 15 of 16

File: DWPI

Oct 25, 1990

DERWENT-ACC-NO: 1990-328302

DERWENT-WEEK: 199044

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TITLE: Sound-absorbing ceiling cladding panel - has perforated stiffening plate glued to rear of honeycomb grille of corrugated strips

INVENTOR: SCHMELZLE, B

PRIORITY-DATA: 1989DE-3913255 (April 22, 1989)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES MAIN-IPC

DE <u>3913255</u> A

October 25, 1990

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INT-CL (IPC): B32B 3/12; B32B 5/02; E04B 1/84; E04C 2/36; E04F 13/08; G10K 11/16

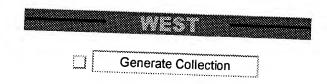
ABSTRACTED-PUB-NO: DE 3913255A

BASIC-ABSTRACT:

The ceiling- or wall-cladding panel comprises a visible metal plate with apertures, behind which is a honeycomb grille glued to it with its passages in line with the apertures and preferably of aluminium. This is followed in turn by an intermediate sound-permeable layer, preferably of fibrous material, and a sound-absorbent layer, preferably of mineral wool.

On the side of the grille (4) furthest from the metal plate (2) is a stiffening plate (5) with apertures (52) and glued to it. The grille is formed by undulating strips (42,42',42") of thin sheet material glued together.

USE/ADVANTAGE - Economy of material combined with good sound-absorption and high resistance to bending.



L3: Entry 31 of 32

File: DWPI

Nov 5, 1987

DERWENT-ACC-NO: 1987-314722

DERWENT-WEEK: 198745

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TITLE: Sound waves or noise damping device - uses sound radiating housing wall carrying foil layer exposed to counter-phase signal

INVENTOR: HORVATH, E

PRIORITY-DATA: 1986AT-0001171 (April 30, 1986)

PATENT-FAMILY:

PUB-NO DE <u>3713780</u> A AT 8601171 A SE 8701660 A	PUB-DATE November 5, 1987 April 15, 1990 October 31, 1987	LANGUAGE	PAGES 003 000 000	MAIN-IPC
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INT-CL (IPC): G10K 11/16; H02K 5/24

ABSTRACTED-PUB-NO: DE 3713780A

BASIC-ABSTRACT:

The noise damping and compensation device includes a sound radiating housing wall (1) provided with a film layer (2) which is exposed to a counter-phase signal on the side facing away from the sound or noise emitting body.

A conventionally used type of film completely or partially encloses the emitter body and/or the housing around it. The emitter itself can comprise an electrical machine or electrical device, in which case the film (2) practically functions as a microphone (5) in that its signals are re-applied to the film via an amplifier (6).

USE/ADVANTAGE - Noise damping, restruction, compensation by using, e.g film having piezo-electric properties.